

# Shanmugavel Chinnathambi

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

951  
citations

516710

16  
h-index

454955

30  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1656  
citing authors

#	ARTICLE	IF	CITATIONS
1	A pilot study on parallel factor analysis as a diagnostic tool for oral cancer diagnosis: A statistical modeling approach. <i>Journal of Chemometrics</i> , 2021, 35, e3315.	1.3	5
2	Construction of Boronophenylalanine-Loaded Biodegradable Periodic Mesoporous Organosilica Nanoparticles for BNCT Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2251.	4.1	15
3	Iodine containing porous organosilica nanoparticles trigger tumor spheroids destruction upon monochromatic X-ray irradiation: DNA breaks and K-edge energy X-ray. <i>Scientific Reports</i> , 2021, 11, 14192.	3.3	10
4	A Compact Sensory Platform Based pH Sensor Using Graphene Field Effect Transistor. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 3299-3305.	0.9	5
5	Recent Development to Explore the Use of Biodegradable Periodic Mesoporous Organosilica (BPMO) Nanomaterials for Cancer Therapy. <i>Pharmaceutics</i> , 2020, 12, 890.	4.5	19
6	Nano-Bio Interaction between Blood Plasma Proteins and Water-Soluble Silicon Quantum Dots with Enabled Cellular Uptake and Minimal Cytotoxicity. <i>Nanomaterials</i> , 2020, 10, 2250.	4.1	15
7	Facile Formation of Stable Water-Dispersed Luminescent Silicon Nanocrystals by Laser Processing in Liquid: Toward Fluorescent Labeling for Bio-imaging. <i>ChemNanoMat</i> , 2019, 5, 1137-1143.	2.8	3
8	Molecular interaction of silicon quantum dot micelles with plasma proteins: hemoglobin and thrombin. <i>RSC Advances</i> , 2019, 9, 14928-14936.	3.6	11
9	Quercetin loaded PLGA microspheres induce apoptosis in breast cancer cells. <i>Applied Surface Science</i> , 2019, 487, 211-217.	6.1	35
10	Recent advances on fluorescent biomarkers of near-infrared quantum dots for <i>in vitro</i> and <i>in vivo</i> imaging. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 337-355.	6.1	131
11	Photostability of quantum dot micelles under ultraviolet irradiation. <i>Luminescence</i> , 2019, 34, 472-479.	2.9	3
12	Exploring the Binding Interaction Mechanism of Taxol in $\beta$ -Tubulin and Bovine Serum Albumin: A Biophysical Approach. <i>Molecular Pharmaceutics</i> , 2019, 16, 669-681.	4.6	33
13	Comparative Binding Analysis of <i>N</i> -Acetylneuraminic Acid in Bovine Serum Albumin and Human $\alpha$ -1 Acid Glycoprotein. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 326-338.	5.4	26
14	A cytotoxicity, optical spectroscopy and computational binding analysis of 4-((3-((acetylamino)amethyl)-2,3-dihydro-1,3,4-thiadiazole-2-yl)phenyl benzoate in calf thymus DNA. <i>Luminescence</i> , 2018, 33, 731-741.		20
15	4-Hydroxycoumarin Derivative: <i>N</i> -(diphenylmethyl)-2-[(2-oxo-2H-chromen-4-yl)oxy]acetamide Interaction with Human Serum Albumin. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-14.	1.3	2
16	Inverted Device Architecture for Enhanced Performance of Flexible Silicon Quantum Dot Light-Emitting Diode. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5400-5407.	4.6	32
17	Biocompatible CdSe/ZnS quantum dot micelles for long-term cell imaging without alteration to the native structure of the blood plasma protein human serum albumin. <i>RSC Advances</i> , 2017, 7, 2392-2402.	3.6	24
18	Simplified detection of the hybridized DNA using a graphene field effect transistor. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 43-50.	6.1	23

#	ARTICLE	IF	CITATIONS
19	Synthesis and fast transfer of monolayer MoS <sub>2</sub> on reusable fused silica. <i>Nanoscale</i> , 2017, 9, 6984-6990.	5.6	18

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#	ARTICLE	IF	CITATIONS
37	Fabrication of novel collagen-silica hybrid membranes with tailored biodegradation and strong cell contact guidance ability. <i>Journal of Materials Chemistry</i> , 2012, 22, 21885.	6.7	27
38	Effect of molecular weight of polyethyleneimine on loading of CpG oligodeoxynucleotides onto flake-shell silica nanoparticles for enhanced TLR9-mediated induction of interferon- $\alpha$ . <i>International Journal of Nanomedicine</i> , 2012, 7, 3625.	6.7	20